

This hand-drawn schematic diagram illustrates a multi-board assembly, likely for a computer or data processing system. The assembly consists of three main vertical panels: a front panel (left), a backplane (center), and a rear panel (right).

- Front Panel (Left):** Labeled "6U FRONT PATCH BOARD" and "44". It features five horizontal slots for modules, labeled from top to bottom: "TYPE B POS 1-221", "TYPE A POS 1-251", "TYPE B POS 1-191", "TYPE B POS 1-221", and "TYPE A POS 1-251". The right edge of the panel is labeled "RIGHT ANGLE FEMALE RECEPTACLES".
- Backplane (Center):** Labeled "BACKPLANE (20)" and "24". It features two vertical columns of modules, labeled from top to bottom: "TYPE B POS 1-221", "TYPE A POS 1-251", "TYPE B POS 1-191", "TYPE B POS 1-221", and "TYPE A POS 1-251". The top edge is labeled "VERTICAL MALE PIN HEADERS" and "28". The bottom edge is labeled "VERTICAL SLOTTED" and "29". The right edge is labeled "RIGHT ANGLE FEMALE RECEPTACLES".
- Rear Panel (Right):** Labeled "6U REAR PATCH BOARD" and "45". It features five horizontal slots for modules, labeled from top to bottom: "TYPE AB POS 1-221", "TYPE A POS 1-251", "TYPE AB POS 1-191", "TYPE AB POS 1-221", and "TYPE A POS 1-251". The right edge is labeled "RIGHT ANGLE FEMALE RECEPTACLES".

Connections and components are indicated by lines and labels:

- Lines labeled "22" connect the front and rear panels to the backplane.
- Lines labeled "25" connect the front and rear panels to the backplane.
- Lines labeled "26" connect the front and rear panels to the backplane.
- Lines labeled "27" connect the front and rear panels to the backplane.
- Lines labeled "28" connect the front and rear panels to the backplane.
- Lines labeled "29" connect the front and rear panels to the backplane.
- Lines labeled "30" connect the front and rear panels to the backplane.
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- Lines labeled "34" connect the front and rear panels to the backplane.
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- Lines labeled "36" connect the front and rear panels to the backplane.
- Lines labeled "37" connect the front and rear panels to the backplane.
- Lines labeled "38" connect the front and rear panels to the backplane.
- Lines labeled "39" connect the front and rear panels to the backplane.
- Lines labeled "40" connect the front and rear panels to the backplane.
- Lines labeled "41" connect the front and rear panels to the backplane.
- Lines labeled "42" connect the front and rear panels to the backplane.
- Lines labeled "43" connect the front and rear panels to the backplane.
- Lines labeled "44" connect the front and rear panels to the backplane.
- Lines labeled "45" connect the front and rear panels to the backplane.
- Lines labeled "46" connect the front and rear panels to the backplane.
- Lines labeled "47" connect the front and rear panels to the backplane.
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- Lines labeled "60" connect the front and rear panels to the backplane.
- Lines labeled "61" connect the front and rear panels to the backplane.
- Lines labeled "62" connect the front and rear panels to the backplane.
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- Lines labeled "65" connect the front and rear panels to the backplane.
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- Lines labeled "67" connect the front and rear panels to the backplane.
- Lines labeled "68" connect the front and rear panels to the backplane.
- Lines labeled "69" connect the front and rear panels to the backplane.
- Lines labeled "70" connect the front and rear panels to the backplane.
- Lines labeled "71" connect the front and rear panels to the backplane.
- Lines labeled "72" connect the front and rear panels to the backplane.
- Lines labeled "73" connect the front and rear panels to the backplane.
- Lines labeled "74" connect the front and rear panels to the backplane.
- Lines labeled "75" connect the front and rear panels to the backplane.
- Lines labeled "76" connect the front and rear panels to the backplane.
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- Lines labeled "79" connect the front and rear panels to the backplane.
- Lines labeled "80" connect the front and rear panels to the backplane.
- Lines labeled "81" connect the front and rear panels to the backplane.
- Lines labeled "82" connect the front and rear panels to the backplane.
- Lines labeled "83" connect the front and rear panels to the backplane.
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- Lines labeled "87" connect the front and rear panels to the backplane.
- Lines labeled "88" connect the front and rear panels to the backplane.
- Lines labeled "89" connect the front and rear panels to the backplane.
- Lines labeled "90" connect the front and rear panels to the backplane.
- Lines labeled "91" connect the front and rear panels to the backplane.
- Lines labeled "92" connect the front and rear panels to the backplane.
- Lines labeled "93" connect the front and rear panels to the backplane.
- Lines labeled "94" connect the front and rear panels to the backplane.
- Lines labeled "95" connect the front and rear panels to the backplane.
- Lines labeled "96" connect the front and rear panels to the backplane.
- Lines labeled "97" connect the front and rear panels to the backplane.
- Lines labeled "98" connect the front and rear panels to the backplane.
- Lines labeled "99" connect the front and rear panels to the backplane.
- Lines labeled "100" connect the front and rear panels to the backplane.

Fig. 1a

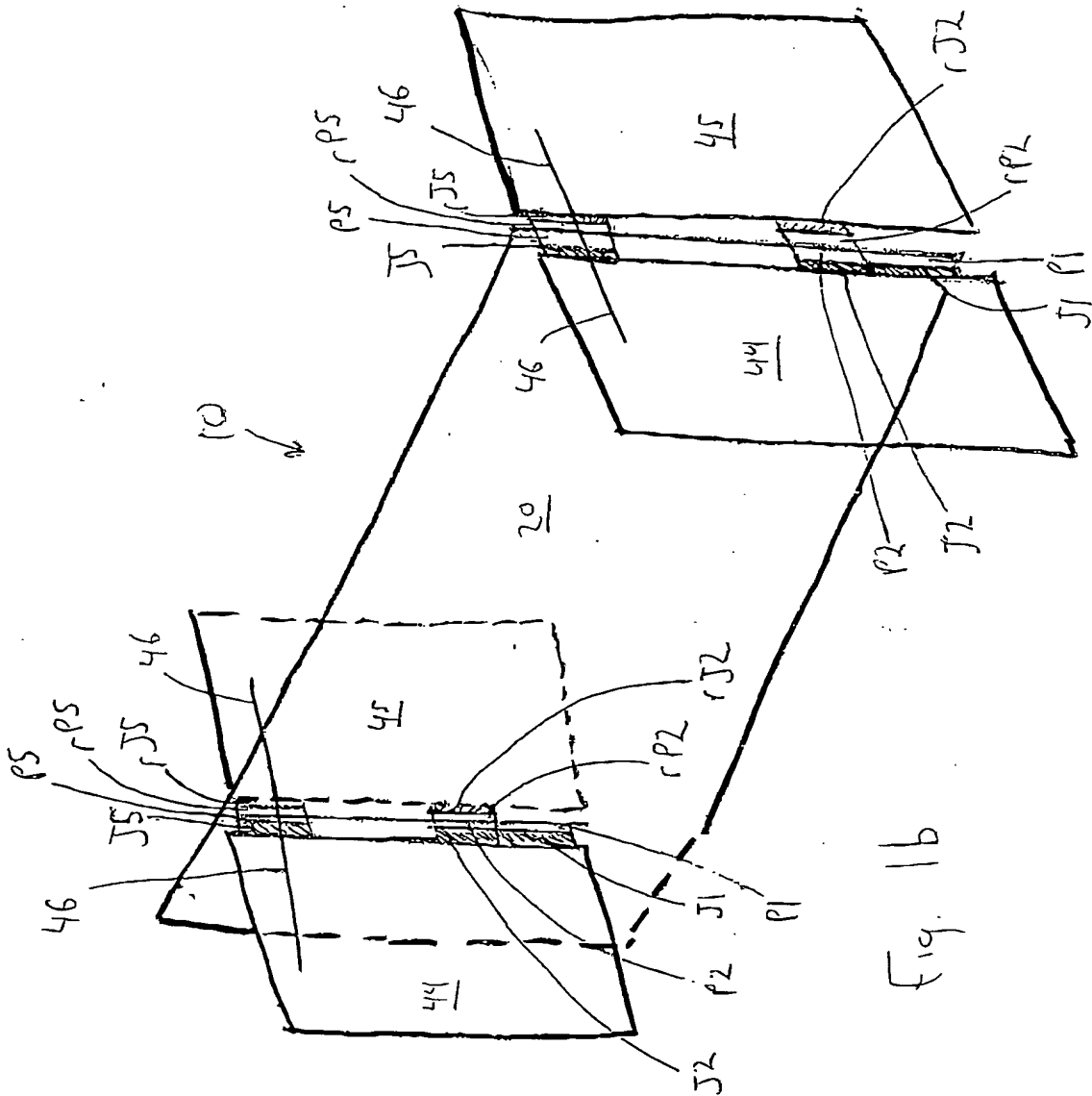


Fig. 16

09086452 10001

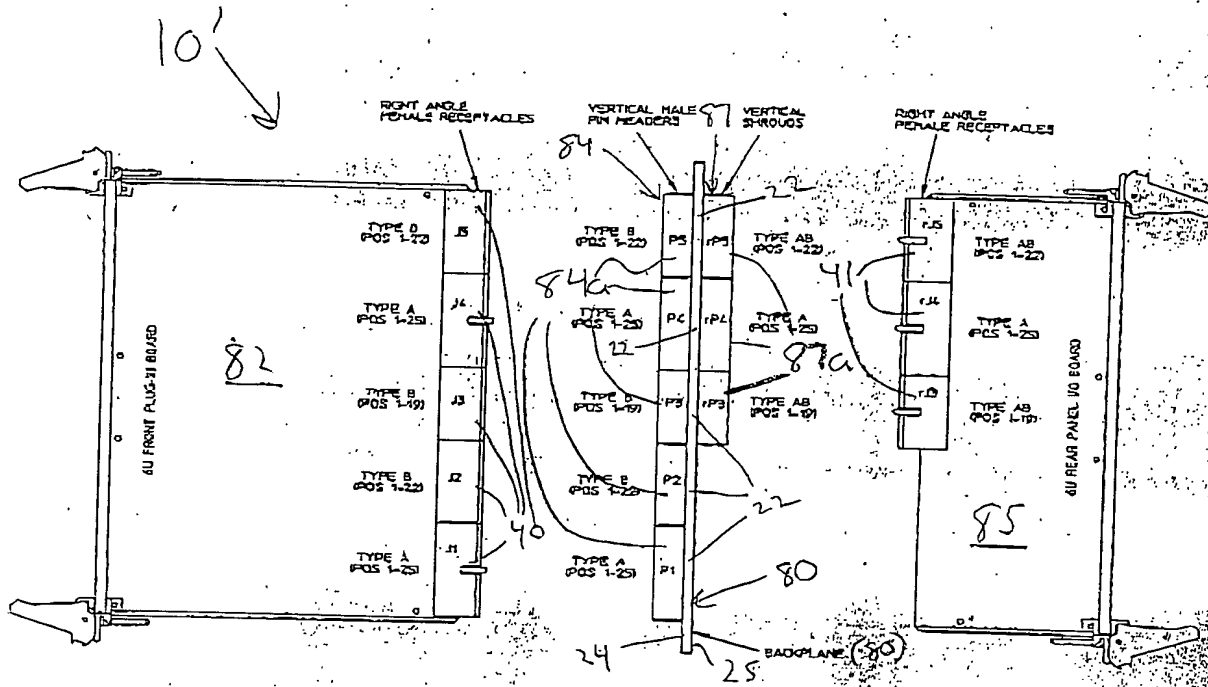


Fig. 21a

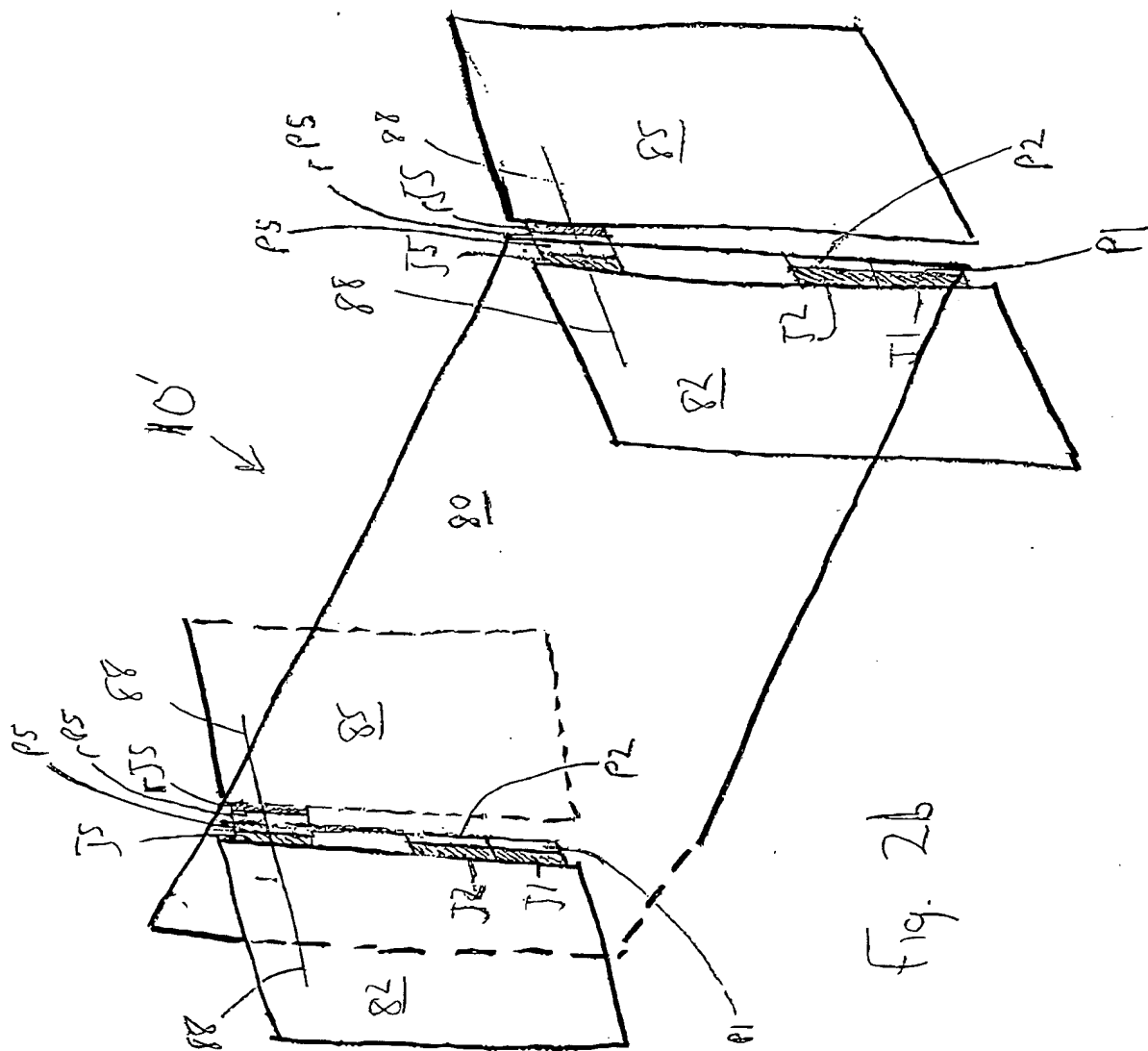


Fig. 2b

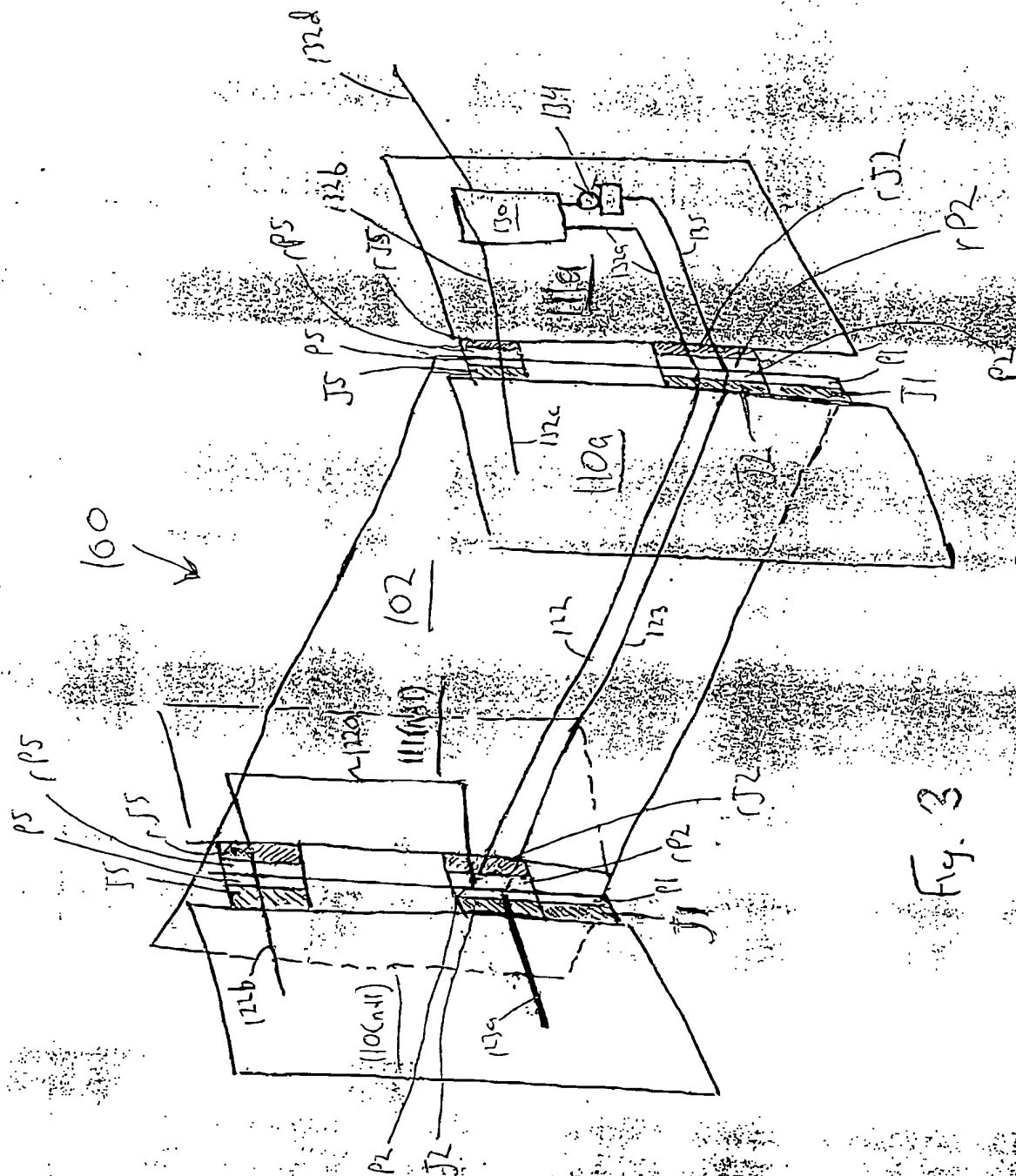


Fig. 3

09036452 110804

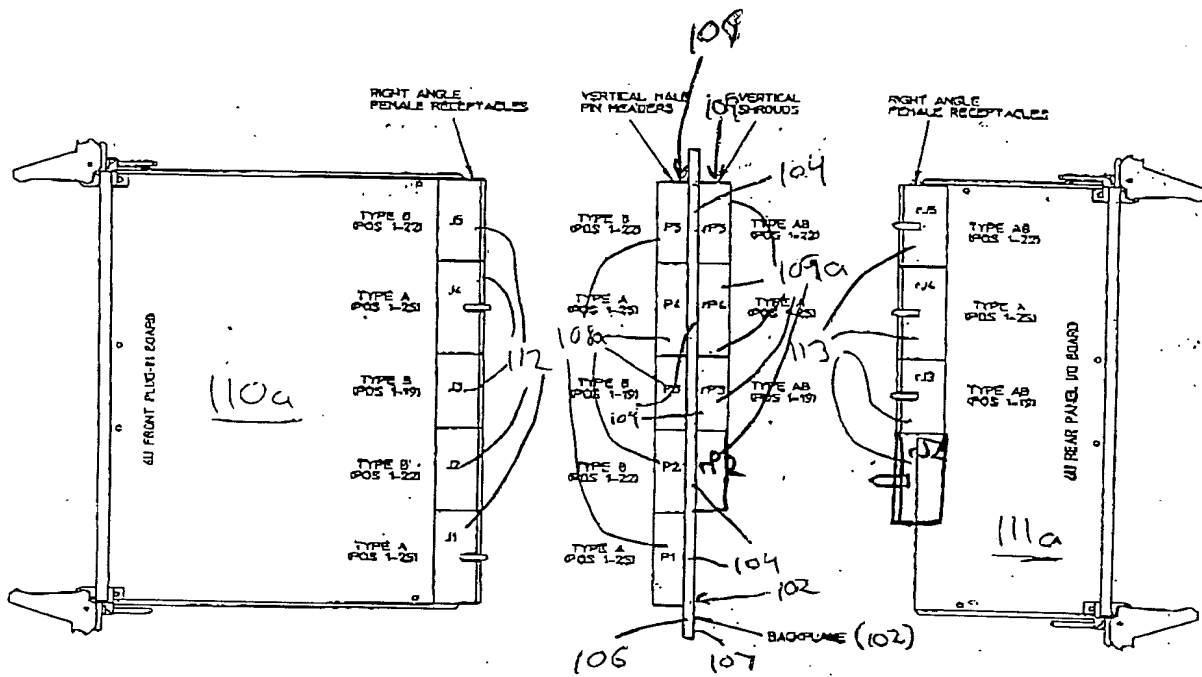


Fig. 4

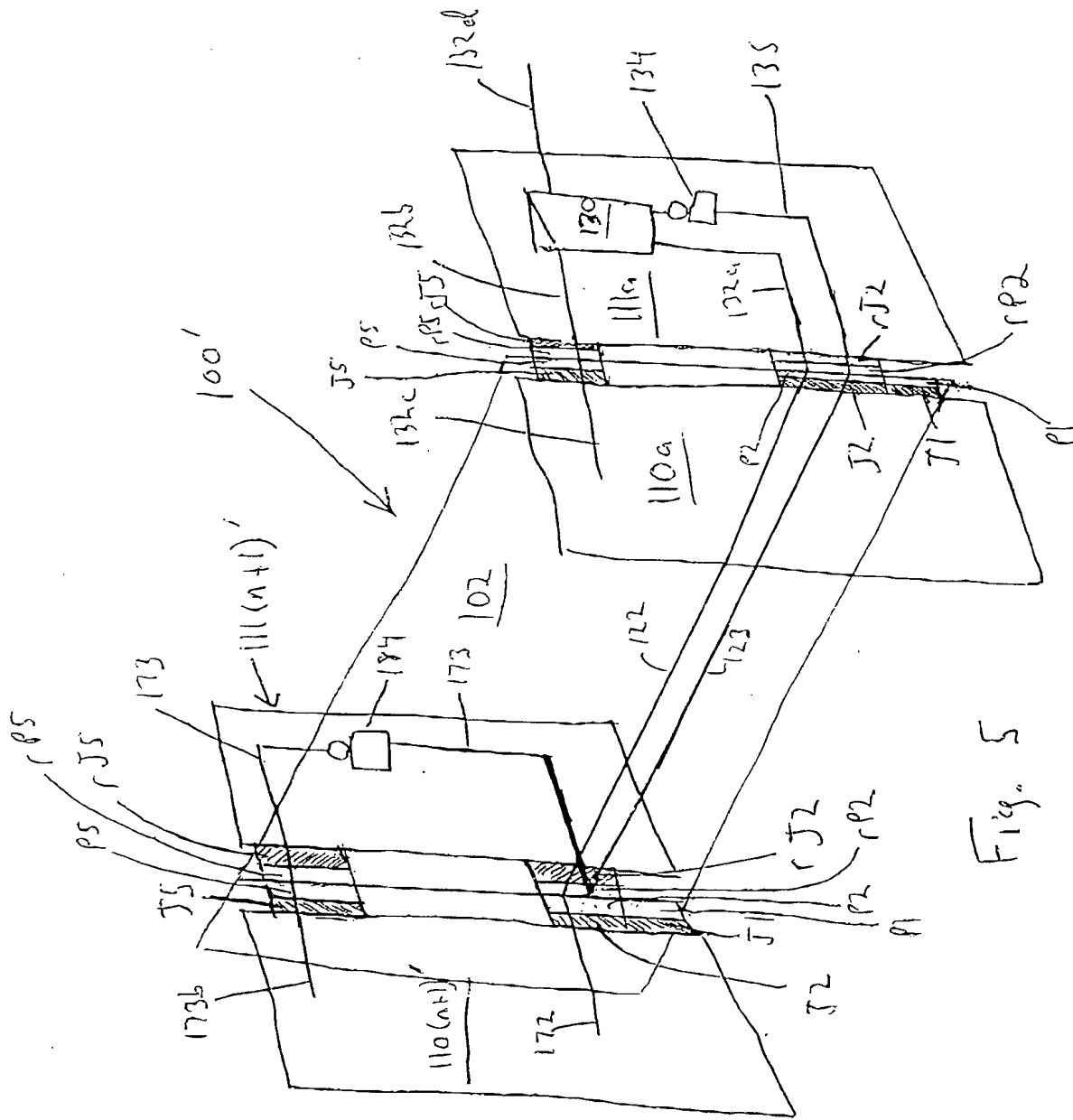


Fig. 5

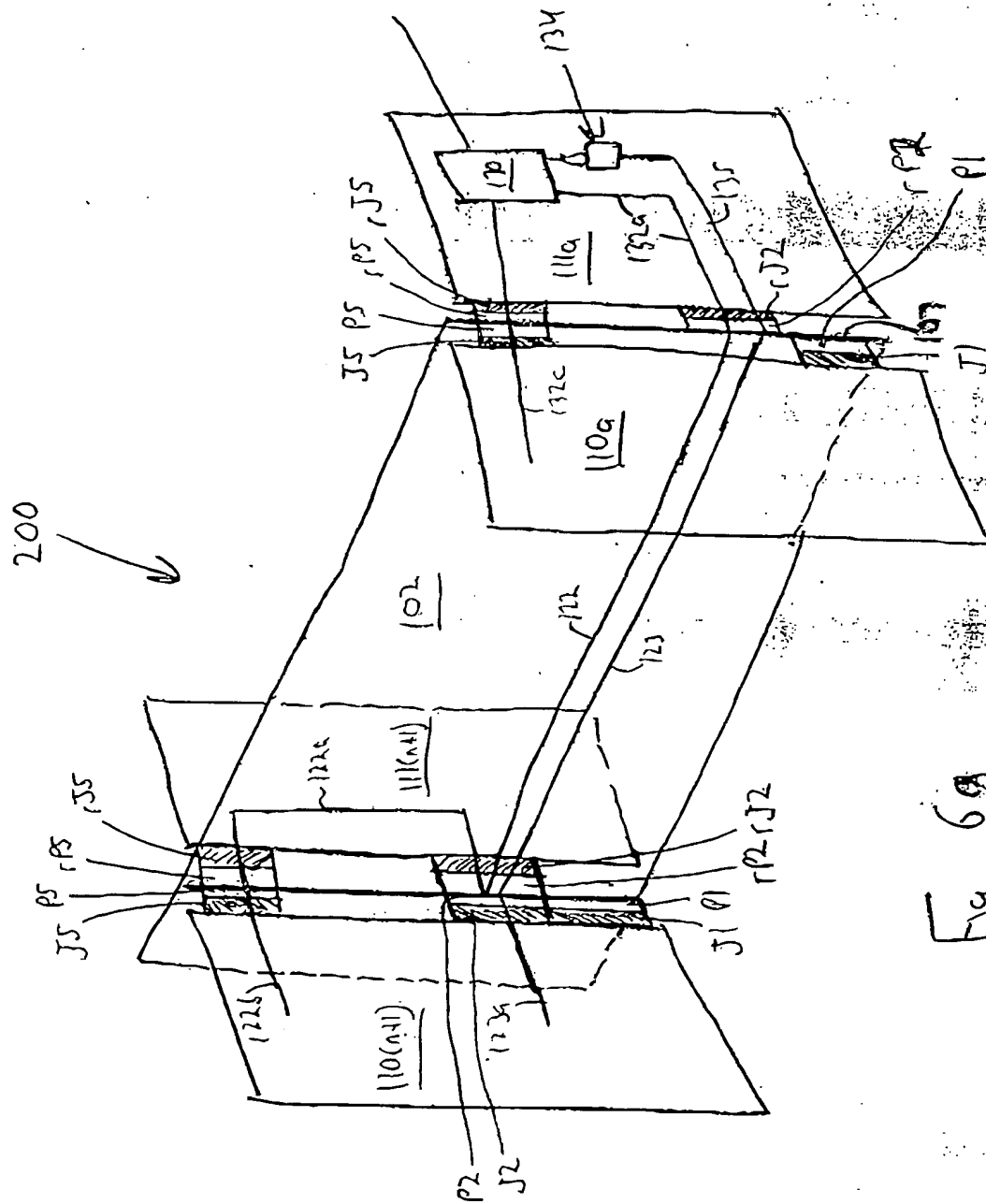


Fig 6A



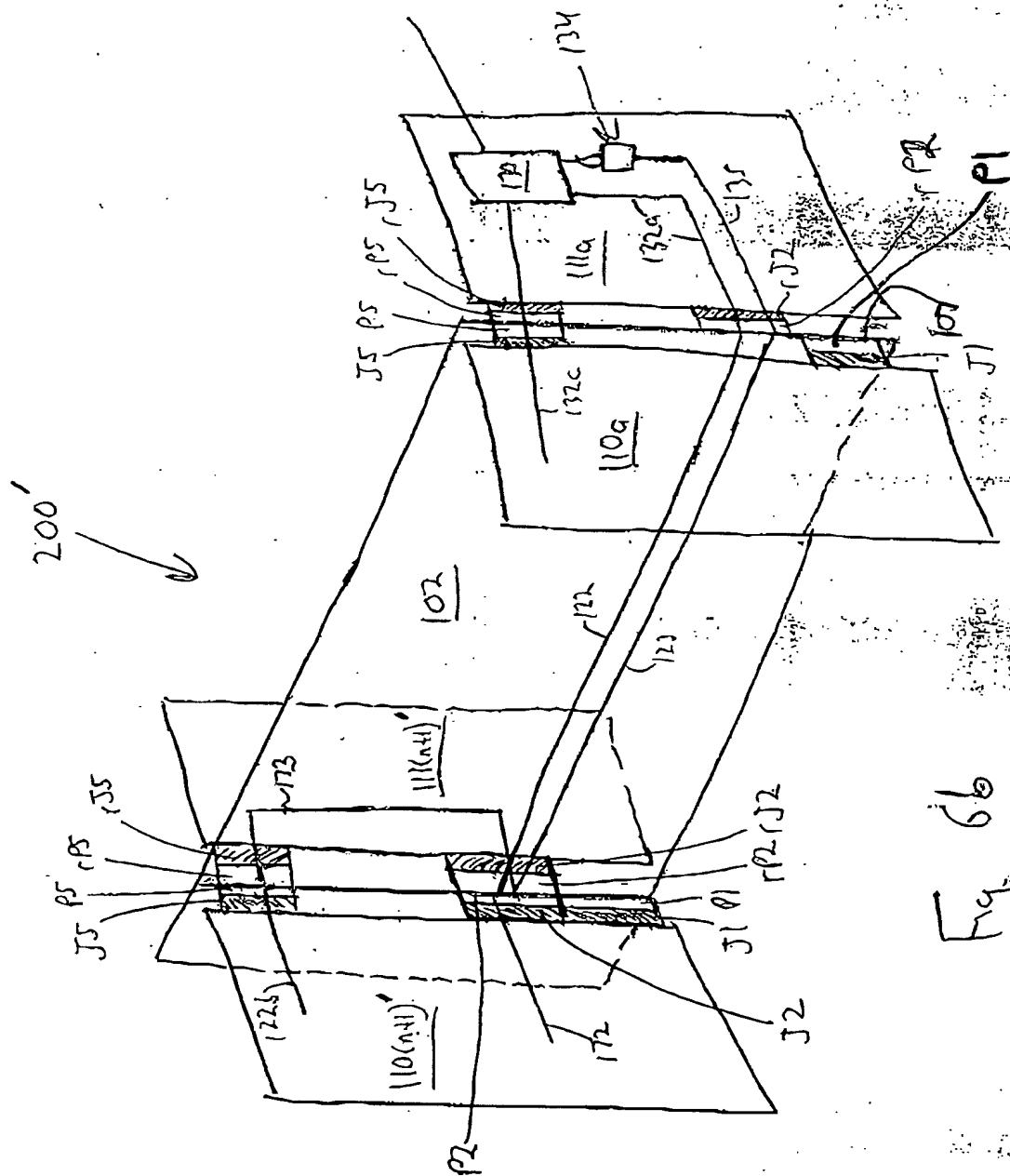


Fig 6b

# TABLE 1

## Pin Assignments

Table 13. CompactPCI Peripheral Slot 64-Bit Connector Pin Assignments<sup>(1)(10,11)</sup>

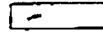
22	GND	GA4 <sup>(12)</sup>	GA3 <sup>(13)</sup>	GA2 <sup>(13)</sup>	GA1 <sup>(13)</sup>	GA0 <sup>(13)</sup>	GND	P2 / J2
21	GND	RSV	RSV	RSV	RSV	RSV	GND	
20	GND	RSV	RSV	RSV	GND	RSV	GND	
19	GND	RSV	RSV	RSV	RSV	RSV	GND	
18	GND	BRSVP2A18	BRSVP2B18	BRSVP2C18	GND	BRSVP2E18	GND	
17	GND	BRSVP2A17	GND	RSV	RSV	RSV	GND	
16	GND	BRSVP2A16	BRSVP2B16	RSV	GND	BRSVP2E16	GND	
15	GND	BRSVP2A15	GND	RSV	RSV	RSV	GND	
14	GND	AD[35]	AD[34]	AD[33]	GND	AD[32]	GND	
13	GND	AD[38]	GND	V(I/O) <sup>(2)</sup>	AD[37]	AD[36]	GND	C O N N E C T O R
12	GND	AD[42]	AD[41]	AD[40]	GND	AD[39]	GND	
11	GND	AD[45]	GND	V(I/O) <sup>(2)</sup>	AD[44]	AD[43]	GND	
10	GND	AD[49]	AD[48]	AD[47]	GND	AD[46]	GND	
9	GND	AD[52]	GND	V(I/O) <sup>(2)</sup>	AD[51]	AD[50]	GND	
8	GND	AD[56]	AD[55]	AD[54]	GND	AD[53]	GND	
7	GND	AD[58]	GND	V(I/O) <sup>(2)</sup>	AD[58]	AD[57]	GND	
6	GND	AD[63]	AD[62]	AD[61]	GND	AD[60]	GND	
5	GND	C/BE[5]#	GND	V(I/O) <sup>(2)</sup>	C/BE[4]#	PAR64	GND	
4	GND	V(I/O) <sup>(2)</sup>	BRSVP2B4	C/BE[7]#	GND	C/BE[6]#	GND	
3 <sup>(2)</sup>	GND	RSV	GND	RSV	RSV	RSV	GND	
2 <sup>(2)</sup>	GND	RSV	RSV	UNC <sup>(4)</sup>	RSV	RSV	GND	
1 <sup>(2)</sup>	GND	RSV	GND	RSV	RSV	RSV	GND	
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND	P1 / J1
24	GND	AD[1]	5V	AD[0]	AD[0]	ACK64#	GND	
23	GND	3.3V	AD[4]	AD[3]	5V	AD[2]	GND	
22	GND	AD[7]	GND	AD[6]	AD[6]	AD[5]	GND	
21	GND	3.3V	AD[9]	AD[8]	M66EN <sup>(6)</sup>	C/BE[0]#	GND	
20	GND	AD[12]	GND	V(I/O) <sup>(2)</sup>	AD[11]	AD[10]	GND	
19	GND	3.3V	AD[15]	AD[14]	GND	AD[13]	GND	
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND	
17	GND	3.3V	IPMB SCL	IPMB SDA	GND	PERB#	GND	
16	GND	DEVSEL#	GND	V(I/O) <sup>(2)</sup>	STOP#	LOCK#	GND	
15	GND	3.3V	FRAME#	IRDY#	RD SEL <sup>(7)</sup>	TRDY#	GND	C O N N E C T O R
12-14	KEY AREA							
11	GND	AD[18]	AD[17]	AD[16]	GND	C/BE[2]#	GND	
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND	
9	GND	C/BE[3]#	IDSEL <sup>(8)</sup>	AD[23]	GND	AD[22]	GND	
8	GND	AD[26]	GND	V(I/O) <sup>(2)</sup>	AD[25]	AD[24]	GND	
7	GND	AD[30]	AD[29]	AD[28]	GND	AD[27]	GND	
6	GND	REQ#	GND	3.3V	CLK	AD[31]	GND	
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND	GNT#	GND	
4	GND	IPMB PWR	HEALTHY# <sup>(14)</sup>	V(I/O) <sup>(2)</sup>	INTP	INTS	GND	
3	GND	INTA#	INTB#	INTC#	5V	INTD#	GND	
2	GND	TCK <sup>(15)</sup>	5V	TMS <sup>(16)</sup>	TDO <sup>(15)</sup>	TDI <sup>(15)</sup>	GND	
1	GND	5V	-12V	TRST# <sup>(16)</sup>	+12V	5V	GND	
Pin	Z <sup>(14)</sup>	A	B	C	D	E	F <sup>(8)</sup>	



= long pins (front only)



= short pins (front only)



= medium length pins (front only)

Fig. 7